

## NOVEL GLUTAMATE TRANSPORTERS

### ABSTRACT OF THE DISCLOSURE

[0285] This invention pertains to the identification of a novel class of glutamate transporters. In particular, this invention pertains to the discovery that proteins originally  
5 considered to perform an entirely different function (BNPI, DNPI, *etc.*), in fact, transport glutamate into synaptic vesicles. Designated VGLUT glutamate transporters, the transporters provide good targets with which to screen for modulators of glutamate uptake into synaptic vesicles.

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